



OR10H400M (FB)

HALF CELL LINE



HALF-CELL MODULE

The 108 Half Cut module of the Import Line combines the high production efficiency of the half cell technology with an excellent quality / price ratio.

The half-cell configuration improves the electrical distribution inside the panel to increase the yield of the product. For these reasons, the Half Cell Line is suitable not only for industrial installations but also for residential and commercial installations.



30 YEAR **LINEAR POWER** WARRANTY

20 YEAR **PRODUCT** WARRANTY



PERC TECHNOLOGY



ANTI-REFLECTIVE GLASS



QBE INSURANCE
Product Liability Insurance QBE

CELLS



108 CELLS
MONO 9BB / 10BB M10 HALF | **PERC**

182x91 mm / 7.16x3.58"

FRAME



COMPACT AND STURDY | **35 mm**

ANCHORABLE ALSO ON THE SHORT
SIDE ⁽⁵⁾

ELECTRICAL CHARACTERISTICS (STC) ⁽¹⁾

	OR10H400M (FB)
Nominal Output (P _{max}) ⁽²⁾	400 W
Sorting Tolerance	0/+5 W
Voltage at P _{max} (V _{mp})	31.2 V
Current at P _{max} (I _{mp})	12.82 A
Open Circuit Voltage (V _{oc}) ⁽²⁾	37.2 V
Short Circuit Current (I _{sc}) ⁽²⁾	13.57 A
Maximum System Voltage	1500 V
Maximum Series Fuse Rating	25 A
Module Efficiency	20.48%
Protection class against electric shock	Class II

MECHANICAL CHARACTERISTICS

Solar Cells	108 M10 HALF monocrystalline <i>PERC</i>
Solar Cells Size	182x91 mm / 7.16x3.58"
Front Cover	3.2 mm / 0.13" thick, low iron tempered glass
Back Cover	TPT (Tedlar-PET-Tedlar)
Encapsulant	EVA (Ethylene vinyl acetate)
Frame	Anodized aluminium alloy, double wall
Frame finishing	Black
Backsheet finishing	Black
Diodes	3 Bypass diodes serviceable
Junction Box	IP67 rated
Connector	MC4 or compatible connector
Cables Length	1300 mm / 51.18"
Cables Section	4.0 mm ² / 0.006 in ²
Dimensions	1722 x 1134 x 30 mm / 67.79 x 44.64 x 1.18"
Weight	21.8 Kg / 48.06 lbs
Max Load (Test Load) - SF	5400 Pa - 1.5 ⁽⁵⁾

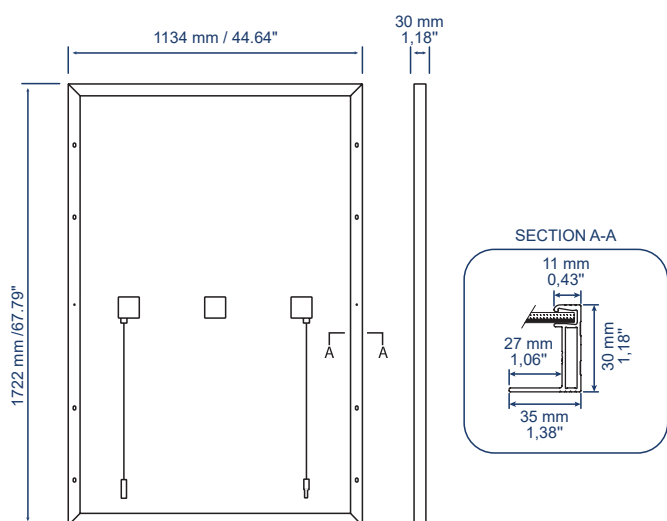
TEMPERATURE CHARACTERISTICS

NMOT ⁽³⁾	45±2 °C
Temperature Coefficient of P _{max}	-0.37 %/°C
Temperature Coefficient of V _{oc}	-0.28 %/°C
Temperature Coefficient of I _{sc}	0.042 %/°C
Operating Temperature	-40 °C ~ +85°C

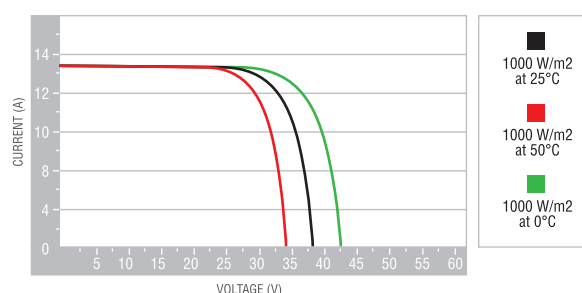
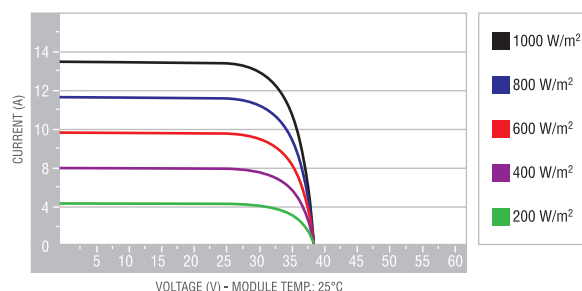
PACKAGING ⁽⁴⁾

Pallet dimensions	1762 x 1120 x 1275 mm / 69.37 x 44.09 x 50.19"
Pieces per pallet	36
Weight	468 kg / 1031.76 lbs

DIMENSIONS



CURRENT/VOLTAGE CHARACTERISTICS



1. STC: (Standard Test Condition) Irradiance 1000W/m²; Module Temperature 25°C; Air Mass 1.5

2. P_{max}, V_{oc}, I_{sc} measurement tolerance: ±3%

3. NMOT: Nominal Module Operating Temperature: Irradiance 800W/m²; Air 20°C; Wind speed 1m/s

4. Pallets can be stacked up to two

5. Consult the installation manual for the relative mounting configurations